

Study of the Degree of Sensitivity "In Vitro" of
Gram-Negative Bacilli, Particularly Enterobacteria,
to Some Antibiotics (Penicillin, Streptomycin,
Dihydrostreptomycin, Chloromycetin, Aureomycin,
Terramycin, Neomycin), by A. Lutz, Mrs. A. Witz,
Mrs. A. Troussel, Ch. Grad, A. Bullans, 19 pp.

Full translation.

FRENCH, photostat, Strasbourg Med., Jan 1951, pp 1-14.

CIA/FDD/X-782

Scientific - Medicine

Apr 53 CTS

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Further Development of the Experimental Arrangement
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on Chlorobenzene (C_6H_5Cl). H. Schuler, E. Lutz,
7 pp.

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SLA 59-10876

Sci - Chem
Sep 59
Vol 2, No 1

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Jul 62

Lutz, G.
INVESTIGATION OF THE STRUCTURE OF $\text{Ba}(\text{NO}_3)_2$
USING NEUTRON DIFFRACTION. [Feb 63] 9p.
Order from ATS \$14.25

ATS-67P66G

Trans. of Zeitschrift für Kristallographie
(Germany) 1960, v. 114, no. 3/4, p. 232-244.

DESCRIPTORS: *Barium compounds, Nitrates,
*Crystal structure, *Neutron diffraction analysis.

(Physics--Solid State, TT, v. 9, no. 7)

63-12748

I. Lutz, G.
II. ATS-67P66G
III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-880-65

230409

Office of Technical Services

Lutz, H.
DESIGN AND CONSTRUCTION OF 400 KV TRANS-
FORMERS. 19 Jan 62 [23]p. (foreign text included)
13 refs.
Order from SLA \$2.60

63-14931

Trans. of Schweizerischer Elektrotechnischer Verein.
Bulletin, 1961, v. 52, no. 23, p. 915-923.
Another trans. is available from SLA \$1.60 as
62-10966, 19 Jan 62, 14p.

DESCRIPTORS: Electrical equipment, *Transformers,
Electric insulation, Electrical properties,
Mechanical properties, Installation.

For abstract see Technical Translations 8: 1234, 1962.

(Engineering--Electrical, TT, v. 10, no. 4)

63-14931

I. Lutz, H.

Office of Technical Services

Lutz, H.
DESIGN AND CONSTRUCTION OF 400 KV TRANS-
FORMERS. 19 Jan 62, 14p. (13 figs. 2 tables 13 refs.
cited)
Order from SLA \$1.60

62-10966

Translator [Schweizerischer Elektrotechnischer
Verband Bulletin] 1961, v. 52, 18 Nov, p. 23ff.

UNCLASSIFIED: Electrical equipment. "Transformers."
Electrical insulation. Electrical properties, Mechanical
properties. Installation.

General survey is presented of the requirements
which must be met by transformers when going to
extra high voltage, especially as applicable to Swiss
conditions. Insulation problems of insulation as well as
distribution problems are discussed. A special chapter
deals with regulating transformers which usually can
not be built in conventional manner at these voltages.
Also, a few questions regarding transportation and
installation are mentioned briefly. (Author)

62-10966

H. Lutz, H.

36332

(Engineering--Electrical,
TT, v. 8, no. 12)

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Influence of Lime Sulfur on the Desulfurization
of Steel Baths, by W. Schleicher, H. Lutz,
H. Gravenhorst.

GERMAN, per, Stahl und Eisen, Vol LXXXI,
No 21, 1961, pp 1388-1392.

HB 5348

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May 62

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62-18072

Lutz, Heinrich.
THE DECAY OF Gd^{153} . [1962] [26]p. 26 refs.
Order from SLA \$2.60 62-18072

I. Lutz, H.

Trans. of Deutsche fur Physik (West Germany)
1962, v. 159, p. 462-477.

DESCRIPTORS: *Gadolinium, *Europium, *Radioac-
tive decay, Radioactive isotopes, *Electron capture,
Crystals, Scintillation counters.

The electron capture decay of Gd^{153} was studied by
mounting the radioactive source in three different
ways. One was in the center of a built into the lattice
of a NaI(Tl) crystal. The ^{153}Gd captures value
was measured for disintegration into the 97.5 and 103
KeV levels, respectively, and into the 172.5 level of
 ^{153}Gd . 0.14, 0.02 and 0.85 ± 0.3. These results
were used to determine the disintegration energy of
(Nuclear Physics--Radioactivity, TT, v. 8, no. 9)
(over)

C226075

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63-10730

Lutz, Helmut.

MAGNETIC DEFLECTION SYSTEMS WITH MAXIMUM SENSITIVITY. [1962] [29]p.
Available on loan from SLA

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Trans. of [NTZ] Nachrichtentechnische Zeitschrift
(West Germany) 1962, v. 15, no. 7, p. 341-349.

DESCRIPTORS: *Television equipment, *Miniature electronic equipment, *Cathode ray tubes, *Deflection coils, Magnet coils, Sensitivity, Nonlinear differential equations.

The magnetic energy of the deflection field for beam deflection in C. R. T. 's is a minimum when the space filled with unnecessary magnetic field is kept as small as possible. The calculation of the deflection space meeting these conditions leads to a non-linear differential equation. The energy in the deflection space, (Engineering--Electronic, TT, v. 9, no. 8) (over)

I. Lutz, H.

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Acute Psychoses Accompanying Physical Diseases and
Childhood Schizophrenia, by J. Lutz.
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pp 774-776.
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J. Lutz
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LUTZ, O. and LAMBRECHT, J.

57-1752. Problems and research on fuel atomisation
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suchungen der Brennstoffzerstaubung in Strahltrieb-

werken.) Dtsch-Forsch. Anst. Luftfahrt FB, p. 128,
Feb. 1954. (77p.)

Results of Flow - Rate Measurements on the EFL
Hot - Water Ejector at Drummond, by O. Lutz,
E. Klester. FOR OFFICIAL USE ONLY

RUSSIAN,

FTD-IT-64-594

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Results of Flow - Rate Measurements on the NWL
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Materials for Structural Parts of Jet Power Plants
in Contact With the Flame, by O. Lutz and W. Lohse,
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1955, pp 118-123, CIA 600308

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ungen Von Mehrfach Besetzten Wellen

A 7344

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Dynamic Similitude in Internal-Combustion Engines,
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Scientific - Engineering, dynamic similitude,
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O. Lutz, J. Lambrecht

GERMAN, Forsch FRS/4/54, Inst Strahltriebwerke
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Sci - Fuels; Aviation
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paper - Melamine Laminate, by Pierre Iutz, 9 pp.
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Scientific - Aeronautics

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Sci - Med

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Vol III, No 3

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6 pp.

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May 59

Recent Research in the Field of Olefine Chemistry,
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P. Corradini, G. Irtzu, G. Moraglio, 31 pp.
F. Danusso,
ITALIAN, Various.

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Feb 56 CTS/DEX

Covering Power of Pigments as a Function of
Particle Size, by W. Lutzkendorf, 40 p.

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No 1, pp 7 -16,

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Jan 60
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Mechanical Properties of Isotactical Polymers,
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ITALIAN, Various.

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A 7346

**Successful Time Selection at Dai Ba-Tang My Irrigation
Project, by Lam Dong, 12 pp.**

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Pack, John G.

SENSITIVE MATERIAL FOR PHOTOGRAPHY AND
THE PROCESS FOR ITS MANUFACTURE. [1961] 22p.
Order from OTS or SLA \$2.60 62-10659

Trans. of French patent 1,267,623, Int. cl. G 03 c
(P. V. no. 838,830) by Technical Operations Inc.,
U. S. A., appl. 16 Sep 60, granted 12 June 61 (patent
appl. filed U. S. A. 18 Sep 59, under 840, 973) (pub. in
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DESCRIPTORS: *Photographic chemicals, *Silver
compounds, *Halides, Sensitivity, Photographic equip-
ment, Manufacturing methods.

According to the invention there is vaporized under al-
(Materials--Photographic, TT, .v. 7, no. 11) (over)

62-10659

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II. Goldberg, G. M.
III. Pack, J. G.
IV. Patent (France) 1 267 623
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DESCRIPTORS: *Chromium compounds, *Oxides,
Synthesis (Chemistry), Mercury alloys, Salts, Oxa-
lates, Formates, Carbonyl radicals, Decomposition,
Hydroxides, Dehydration, Solubility, Crystal structure.

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FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN
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Trans. from [Akademiya Nauk Litovskoi SSR, Vilna.
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Fast neutrons, Protons, *Hydrogen, Radioactivation
analysis, Labeled substances.

205531

The calculation of formation of the radioactive isotope
of hydrogen tritium in the atmosphere under the action
of cosmic rays is given. With the energy spectrum of
"evaporation" neutrons:
$$N(E)dE = kEe^{-E}dE \text{ and the}$$

$$\text{spectrum of "fast" neutrons: } N(E)dE = zE^{-2} - 160E^{-2}dE$$
the maximum possibility of tritium production by the
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Estimate of the Rate of Formation of Certain
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